What Is Claimed Is:

1. A heating or air-conditioning system for a motor vehicle comprising: a heater for producing warm air; at least two cold-air ducts which are routed past the heater laterally; an air-mixing space which adjoins the heater in the direction of air flow and is divided, by at least one partition wall into individual mixing spaces in which air can be mixed by air-stream control elements to a certain temperature in each case and, from there, can be fed to an associated air-conditioning zone via in each case at least one air duct, wherein each mixing space is assigned at least two of the air-stream control elements of which one is provided as a cold-air flap in the cold-air duct and a second is designed as a warm-air control element arranged directly on an outlet side of the heater; the warm-air control element having a plurality of lamellae which are arranged in the manner of a blind and, in their closed position, cover a sub-region of the outlet side of the heater which is assigned to the respective mixing space.

2. A heating or air-conditioning system as claimed in claim 1, wherein the air-mixing space is divided into four individual mixing spaces.

3. A heating or air-conditioning system as claimed in claim 1, wherein each cold-air duct is divided in two sub-ducts and each of the four cold-air ducts sub-ducts opens out in each case into a respective individual mixing space.

4. A heating or air-conditioning system as claimed in claim 1, wherein the cold-air flap is arranged in the region of a cold-air-duct outlet and, in its open position, executes an air-directing function and deflects the cold air in the direction of the warm air.

5. A heating or air-conditioning system as claimed in claim 4, wherein the cold-air flap is of curved form.

6. A heating or air-conditioning system as claimed in claim 1, wherein the warm-air control elements open toward the cold-air duct, and the lamellae, in their open position, execute an air-directing function and deflect the warm air to the side, in the direction of the cold air.

7. The heating or air-conditioning system as claimed in claim 1, wherein the heater has a heat exchanger, which can have drive unit coolant of a motor vehicle flowing through it, and an additional heater, which is arranged parallel to said heat exchanger.

8. The heating or air-conditioning system as claimed in claim 1, wherein in each case two adjacent warm-air control elements and two adjacent cold-air flaps can be coupled.

9. The heating or air-conditioning system as claimed in claim 7, where the additional heater has electric heating elements.

10. A motor vehicle comprising a system as claimed as claim 1.